

CLAIMS

[1] A speaker device comprising:

a cabinet;

a speaker unit attached to the cabinet;

5 a first container removably attached to a first opening
formed in the cabinet; and

an adsorbent material disposed in an interior of the
first container, wherein

an air hole for passing air between the interior of the
10 first container and an interior of the cabinet is formed through
the first container.

[2] The speaker device according to claim 1, wherein
the adsorbent material is an activated carbon.

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[3] The speaker device according to claim 1, further
comprising:

a second container removably attached to a second opening
formed in the cabinet; and

20 a deterioration prevention material disposed in an
interior of the second container, wherein

an air hole for passing air between the interior of the
second container and the interior of the cabinet is formed through
the second container.

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[4] The speaker device according to claim 3, wherein
the deterioration prevention material is silica gel.

[5] The speaker device according to claim 3, further
5 comprising a port for passing air between the interior and an
exterior of the cabinet, wherein

the deterioration prevention material provided in the
second container is disposed at a position such that the
deterioration prevention material is closer to an opening which
10 is in the interior of the cabinet and formed by the port, than
the first container.

[6] The speaker device according to claim 3, wherein
the deterioration prevention material includes cobalt
15 chloride, and

the second container is formed such that the
deterioration prevention material is capable of being seen from
an exterior of the second container.

20 [7] The speaker device according to claim 3, wherein
a heat resistant temperature of the second container
is higher than or equal to a boiling point of a substance adsorbed
into the deterioration prevention material.

25 [8] The speaker device according to claim 3, wherein

the deterioration prevention material includes a photocatalyst.

[9] The speaker device according to claim 1, further comprising:

a tubular port disposed for passing air between the interior and the exterior of the cabinet;

a deterioration prevention material; and

a supporting member, removably attached to an interior of the port, for supporting the deterioration prevention material.

[10] The speaker device according to claim 1, further comprising:

a shock-absorbing member disposed at an attachment portion, of the first container, provided for attaching the first container to the cabinet; and

a fixing tool, mounted on the cabinet, for removably fixing the first container thereto such that the first container presses against the cabinet through the shock-absorbing member.

[11] The speaker device according to claim 1, further comprising

a shock-absorbing member disposed on an inner face of the cabinet, and

a fixing tool for fixing the first container thereto

such that the first container presses against the inner face of the cabinet through the shock-absorbing member.

[12] The speaker device according to claim 1, wherein

5 the first container includes an opening and closing part for opening and closing an opening formed in the first container.

[13] The speaker device according to claim 1, wherein

10 the cabinet includes an opening and closing part for opening and closing the first opening, and the first container is disposed in the interior of the cabinet.

[14] The speaker device according to claim 1, wherein

15 a heat resistant temperature of the first container is higher than or equal to a boiling point of a substance adsorbed into the adsorbent material.

[15] The speaker device according to claim 1, wherein

20 the adsorbent material includes a photocatalyst.

[16] The speaker device according to claim 1, further comprising:

25 measurement means for measuring frequency response of an electrical impedance of the speaker unit by inputting an electrical signal to the speaker unit; and

notification means for notifying that a peak value of the frequency response is shifted to a high frequency side by a predetermined frequency.

5 [17] The speaker device according to claim 1, further comprising:

measurement means for measuring a sound pressure frequency response of the speaker unit by inputting an electrical signal to the speaker unit; and

10 notification means for notifying that a bass reproduction limit of the sound pressure frequency response is shifted to a high frequency side by a predetermined frequency.

[18] A vehicle comprising:

15 any of the speaker devices described in claims 1 to 17;
and

a vehicle body with the speaker device disposed in an interior thereof.

20 [19] A video device comprising:

any of the speaker devices described in claims 1 to 17;
and

a device housing with the speaker device disposed in an interior thereof.